

<u>LESS THAN 1 GAL.</u> (PLANTED BEFORE MULCH)

SEE PLANT LIST FOR PLANT SPACING

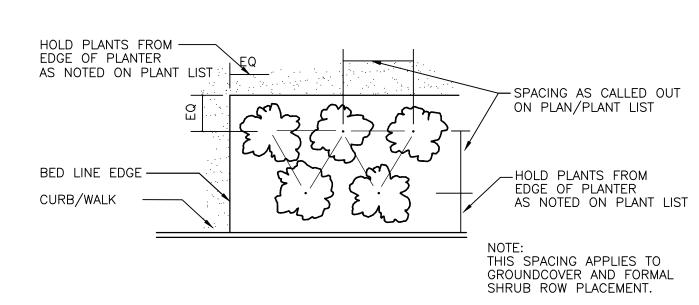
1 GAL. CONTAINER and LARGER (PLANTED BEFORE MULCH

GROUNDCOVER PLANTING DETAIL

- MULCH LAYER

1" MAX. TOP OF CURB

TO TOP OF MULCH



PLANT MATERIAL SPACING DETAIL

NOT TO SCALE

LANDSCAPE PLANTING NOTES AND MATERIALS

MULCH AT CURB DETAIL

SCOPE OF WORK

NOT TO SCALE

FURNISH ALL MATERIALS, LABOR, EQUIPMENT AND RELATED ITEMS NECESSARY TO ACCOMPLISH TOPSOIL, TREATMENT AND PREPARATION OF SOIL, FINISH GRADING, PLACEMENT OF SPECIFIED PLANT MATERIALS, FERTILIZER, STAKING, MULCH, CLEAN-UP, DEBRIS REMOVAL, AND 90-DAY MAINTENANCE.

LANDSCAPE CONTRACTOR TO BE SKILLED AND KNOWLEDGEABLE IN THE FIELD OF WORK AND HAVE A MINIMUM OF FIVE (5) YEAR'S EXPERIENCE INSTALLING SIMILAR WORK. CONTRACTOR TO BE LICENSED TO PERFORM THE WORK SPECIFIED WITHIN THE PRESIDING JURISDICTION.

JOB CONDITIONS:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SITE AND REPORT ANY DISCREPANCIES TO THE OWNER OR THE OWNER'S REPRESENTATIVES. ALL PLANT MATERIAL AND FINISH GRADES ARE SUBJECT TO APPROVAL BY THE OWNER.

SAVE AND PROTECT ALL EXISTING PLANTINGS SHOWN TO REMAIN. DO NOT PLANT UNTIL OTHER ONSTRUCTION OPERATIONS WHICH CONFLICT HAVE BEEN COMPLETED. IF AN IRRIGATION SYSTEM IS TO BE INSTALLED DO NOT PLANT UNTIL THE SYSTEM HAS BEEN INSTALLED, TESTED, AND APPROVED BY THE OWNER. HANDLE PLANTS WITH CARE - DO NOT DAMAGE OR BREAK ROOT SYSTEM, BARK, OR BRANCHES. REPAIR AND/OR REPLACE ITEMS DAMAGED AS A RESULT OF WORK, OR WORK NOT IN COMPLIANCE WITH PLANS AND SPECIFICATIONS, AS DIRECTED BY OWNER AT NO ADDITIONAL COST TO THE OWNER.

REPAIR OF EXISTING PLANTINGS:

DURING THE COURSE OF WORK, REPAIR ALL EXISTING PLANTING AREAS BY PRUNING DEAD GROWTH, RE-ESTABLISHING FINISH GRADE AND RE-MULCHING TO SPECIFIED DEPTH.

IRRIGATION SYSTEM

LANDSCAPE CONTRACTOR TO VERIFY AVAILABLE WATER PRESSURE PRIOR TO BEGINNING ANY WORK ON THE PROPOSED IRRIGATION SYSTEM. PROVIDE WRITTEN RESULTS OF WATER PRESSURE TO LANDSCAPE ARCHITECT

REPAIR OF IRRIGATION SYSTEM:

DURING THE COURSE OF WORK, REPAIR ANY DAMAGE TO THE IRRIGATION SYSTEM TO MATCH CONDITIONS PRIOR TO THE DAMAGE.

GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE OF THE JOB BY OWNER.

60-DAY MAINTENANCE:

CONTRACTOR TO PROVIDE OWNER WITH A SCOPE OF WORK AT TIME OF INITIAL PROJECT BID TO PROVIDE LANDSCAPE AND IRRIGATION MAINTENANCE FOR 60 DAYS FOLLOWING STORE OPENING. WORK TO INCLUDE MAINTENANCE AS DESCRIBED BELOW, IN PLANTING AND IRRIGATION MAINTENANCE.

SURMITTAL S.

SUBMIT THE FOLLOWING TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO

- THE START OF ANY WORK: A) DOCUMENTATION THAT ALL PLANT MATERIAL HAS BEEN ORDERED.
- B) TOPSOIL ANALYSIS AND RECOMMENDED AMENDMENTS. C) TREE STAKING AND GUYING MATERIALS
- D) ONE (1) QUART SIZE OF TOPSOIL AND MULCH.
- E) PLANTING SCHEDULE INCLUDING DATES AND TIMES.
- F) MAINTENANCE INSTRUCTIONS FOR ONE (1) FULL YEAR.

MATERIALS:

PLANT MATERIALS:

PLANT MATERIALS TO BE GRADE NO. 1, SIZED IN ACCORDANCE WITH (AAN) AMERICAN STANDARDS FOR NURSERY STOCK (ANSI Z60.1-2004). PRUNE PLANTS RECEIVED FROM THE NURSERY ONLY UPON AUTHORIZATION BY THE LANDSCAPE ARCHITECT. "B & B" INDICATES BALLED AND BURLAPPED; "CONT." INDICATES CONTAINER; "BR" INDICATES BARE ROOT; "GAL" INDICATES GALLON.

- A) SPECIFIED PLANT CANOPY SIZE OR CALIPER IS THE MINIMUM ACCEPTABLE CONTAINER OR BALL SIZE AND ESTABLISHES MINIMUM PLANT CONDITION TO BE PROVIDED. B) QUALITY:
- PLANT MATERIAL TO COMPLY WITH STATE AND FEDERAL LAWS FOR DISEASE INSPECTION, PLANTS TO BE FULLY LIVE, VIGOROUS, WELL FORMED, WITH WELL DEVELOPED FIBROUS ROOT SYSTEMS. ROOT BALLS OF PLANTS TO BE SOLID AND FIRMLY HELD TOGETHER, SECURELY CONTAINED AND PROTECTED FROM INJURY AND DESICCATION. PLANTS DETERMINED BY LANDSCAPE ARCHITECT TO HAVE BEEN DAMAGED; HAVE DEFORMITIES OF STEM, BRANCHES, OR ROOTS; LACK SYMMETRY, HAVE MULTIPLE LEADERS OR "Y" CROTCHES LESS THAN 30 DEGREES IN TREES, OR DO NOT MEET SIZE OR ANSI STANDARDS WILL BE REJECTED. PLANT MATERIAL TO BE FROM A SINGLE NURSERY SOURCE FOR EACH SPECIFIED SPECIES/HYBRID. NURSERY SOURCES TO BE THOSE LOCATED IN THE SAME REGION AS THE JOB SITE.

C) SUBSTITUTION:

- NO SUBSTITUTION OF PLANT MATERIAL, SPECIES OR VARIETY, WILL BE PERMITTED UNLESS WRITTEN EVIDENCE IS SUBMITTED TO THE OWNER FROM TWO QUALIFIED PLANT BROKERAGE OFFICES. SUBSTITUTIONS WHICH ARE PERMITTED TO BE IN WRITING FROM THE OWNER AND LANDSCAPE ARCHITECT. THE SPECIFIED SIZE, SPECIES AND NEAREST VARIETY. AS APPROVED, TO BE FURNISHED. SUBSTITUTIONS MAY REQUIRE SUBMITTAL TO REVISED LANDSCAPE PLAN TO CITY FOR APPROVAL
- D) LABEL AT LEAST ONE (1) TREE, SHRUB, AND GROUNDCOVER OF EACH VARIETY WITH A SECURELY ATTACHED WATERPROOF TAG BEARING LEGIBLE DESIGNATION OF BOTANICAL
- E) DELIVER PLANT MATERIAL AFTER PREPARATION OF PLANTING AREAS HAVE BEEN COMPLETED AND PLANT IMMEDIATELY. IF PLANTING IS DELAYED MORE THAN SIX (6) HOURS AFTER DELIVERY, SET MATERIAL IN SHADE, PROTECT FOR WEATHER AND MECHANICAL DAMAGE. AND KEEP ROOT BALLS MOIST BY COVERING WITH MULCH. BURLAP OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.

TOPSOIL, AMENDMENT, AND BACKFILL, ARE GENERAL REQUIREMENTS FOR ALL LANDSCAPE AREAS, UNLESS NOTED OTHERWISE ON THE PLANS. SOIL AMENDMENTS AND FERTILIZER NOTED BELOW ARE TO BE USED FOR BID PRICE BASIS ONLY. SPECIFIC AMENDMENTS AND FERTILIZERS WILL BE MADE AFTER SOIL SAMPLES ARE LABORATORY TESTED BY THE CONTRACTOR. PROVIDE CHANGE ORDER FOR ADDITIONAL OR REDUCTION OF MATERIALS REQUIRED OR NOT REQUIRED BY THE SOILS REPORT.

SOIL FERTILITY AND AGRICULTURAL SUITABILITY ANALYSIS:

AFTER ROUGH GRADING AND PRIOR TO SOIL PREPARATION, CONTRACTOR TO OBTAIN TWO REPRESENTATIVE SOIL SAMPLES. FROM LOCATIONS AS DIRECTED BY THE LANDSCAPE ARCHITECT. TO A SOIL TESTING LABORATORY. SUBMIT RESULTS TO LANDSCAPE ARCHITECT FOR REVIEW. TESTS TO INCLUDE FERTILITY AND SUITABILITY ANALYSIS WITH WRITTEN RECOMMENDATIONS FOR SOIL AMENDMENT, FERTILIZER, CONDITIONERS, APPLICATION RATES, AND POST-CONSTRUCTION MAINTENANCE PROGRAM. TESTS TO BE CONTRACTED WITH AND PAID FOR BY THE CONTRACTOR.

- CONTRACTOR IS RESPONSIBLE FOR SUPPLYING ALL TOPSOIL AND FOR DETERMINING THE VOLUME OF TOPSOIL REQUIRED PER THE INFORMATION ON PLANS AND NOTED HERE-IN. CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY WEED CONTROL RESULTING FROM CONTAMINATED OFF SITE SOURCES.
- B) TOPSOIL TO CONSIST OF WINTER MIX AS PRODUCED AND REMIXED BY PACIFIC TOPSOILS, INC. WINTER MIX TO CONSIST OF 1/3 BY VOLUME SANDY LOAM, 1/3 BY VOLUME COMPOSTED GARDEN MULCH, AND 1/3 BY VOLUME COARSE WASHED SAND OR EQUIVALENT. AT MINIMUM, TOPSOIL PRODUCTS BROUGHT ON SITE TO CONTAIN AMENDMENTS AS LISTED IN "C".
- C) TOPSOIL TO INCLUDE THE FOLLOWING AMENDMENTS AS NECESSARY:
- THE FOLLOWING AMOUNT PER 1,000 SQUARE FEET: 1. 6-CUBIC YARDS ORGANIC COMPOST. COMPOST TO BE FREE OR NON-FARM ANIMAL SOURCES, NOR TO BE FROM SOURCES CONTAINING REDWOOD OF CEDAR
- 2. 30-POUNDS NITROFORM (38-0-0) 3. 5-POUNDS AMMONIUM SULFATE
- 4. 40-POUNDS CALCIUM CARBONATE LIMESTONE
- 5. 40-POUNDS DOLOMITE LIMESTONE
- 6. 5-OUNCES BORON (AS BORAX) ALL AMENDMENTS TO BE THOROUGHLY MIXED PRIOR TO INCORPORATION INTO TOPSOIL.

D) PLANTING BACKFILL FOR ALL TREES, SHRUBS, AND GROUNDCOVERS:

- 1. 0.6-CUBIC YARDS PER VOLUME TOPSOIL
- 2. 0.4-CUBIC YARDS ORGANIC COMPOST.
- 3. 3-POUNDS NITROFORM (38-0-0)
- 4. 1-POUNDS AMMONIUM SULFATE 5. 2-POUNDS CALCIUM CARBONATE LIMESTONE
- 6. 2-POUNDS DOLOMITE LIMESTONE
- E) TOPSOIL PREPARATION AND INSTALLATION: 1. VERIFY SUBGRADES TO -7 INCHES IN LANDSCAPE AREAS AND -18/24 INCHES IN PARKING LOT ISLANDS BELOW FINISH ELEVATION, OR AS INDICATED ON PLANS. THIS ACCOMMODATES, TOPSOIL. AMENDMENTS, AND MULCH.
- 2. ERADICATE ANY SURFACE VEGETATION ROOTED IN THE SUB-GRADE PRIOR TO SUB-GRADE
- 3. THOROUGHLY SCARIFY AND RIP ALL LANDSCAPE SUB-GRADES WHICH HAVE BECOME COMPACTED TO A DEPTH OF 12 INCHES WITH MULTIPLE PASSES, 90 DEGREES TO EACH OTHER. SCARIFY AREAS INACCESSIBLE TO MECHANIZED EQUIPMENT AND AROUND EXISTING PLANTINGS NOTED TO REMAIN WITH HAND TOOLS.
- 4. REMOVE SOIL LUMPS, ROCK, VEGETATION AND/OR DEBRIS LARGER THAN 2 INCHES FROM ALL SUB-GRADE PRIOR TO PLACEMENT OF SPECIFIED TOPSOIL.
- 5. REMOVE ANY ASPHALT EXTENDING BEYOND 6 INCHES FROM CURBS INTO ADJACENT 6. PARKING LOT PLANTER ISLANDS TO BE OVER EXCAVATED BY BACKHOE. REMOVE
- PAVING WASTE, GRAVEL BASE MATERIAL AND UNDERLYING SUBSOIL TO 18 INCHES BELOW TOP OF PAVING. SCARIFY AND OVER EXCAVATE PLANT PIT BOTTOM 12 INCHES TO MINIMIZE STRUCTURAL COMPACTION.

F) TOPSOIL PLACEMENT:

PROVIDE A TOTAL FINISH COURSE OF 4 INCHES OF TOPSOIL FOR LANDSCAPE AREAS AND 18/24 INCHES IN PARKING LOT ISLANDS.

DECIDUOUS TREE PLANTING/STAKING DETAIL

- 2. IN ALL LANDSCAPE AREAS, PLACE 2 INCHES (6 INCHES IN PARKING LOT ISLANDS) OF TOPSOIL MIX WITH AMENDMENTS OVER THE PREPARED SUB-GRADE AND THOROUGHLY ROTOTILL WITH MULTIPLE PASSES INTO THE TOP 6 INCHES OF SUB-GRADE FOR A TOTAL DEPTH OF 8 INCHES IN LANDSCAPE AREAS (12 INCHES IN PARKING LOT ISLANDS). PLACE AN ADDITIONAL 2 INCH LIFT OF TOPSOIL, IN ALL LANDSCAPE AREAS AND A MINIMUM 12 INCH LIFT IN ALL PARKING LOT ISLANDS, FOR THE FINAL TOPSOIL DEPTH OF 4 INCHES IN LANDSCAPE AREAS AND 18/24 INCHES IN PARKING LOT ISLANDS.
- 3. PLACE ADDITIONAL TOPSOIL AND SOIL MIX AS REQUIRED TO MEET FINISH ELEVATIONS

ORGANIC MULCH (TOPDRESSING): ONE-HALF-INCH (1/2") SIZE, TO ONE-QUARTER (1/4"), HEMLOCK/FIR BARK, FINE TEXTURED AND DARK BROWN IN COLOR.

STAKES: 2-INCH DIAMETER BY 8-FOOT MINIMUM LODGEPOLE PINE STAKES

PLANTING NOTES AND DETAILS

CITY OF ARLINGTON, SNOHOMISH COUNTY, STATE OF WASHINGTON

PLACE IN VERT. POSITION: DOUBLE LEADERS WILL BE REJECTED

KEEP ROOTBALL MOIST AND PROTECTED AT ALL TIMES.

BACKFILL TO BE SETTLED USING WATER ONLY - NO

REMOVE ALL WRAP, TIES & CONTAINERS, REGARDLESS

(2) LODGEPOLE STAKES, PLUMB WITH ELASTIC CHAIN-LOCK

LAWN PLANTING; PROVIDE 3' Ø "NO GRASS" TREE RING AND -

TYPE OR RUBBER GUYS TIED IN FIGURE EIGHT; REMOVE

PROTECTIVE WRAPPING DURING SHIPMENT TO SITE AND

INSTALLATION REMOVE AT COMPLETION OF PLANTING

2" DEEP MULCH LAYER IN WELL. HOLD BACK FROM

PREPARE PLANTING BED PER SPEC'S; AT MIN., LOSSEN AND MIX SOIL TO 18" OR DEPTH OF ROOTBALL AND 2

REMOVE ALL WRAP, TIES, AND CONTAINERS

PENETRATION TO SUBBASE (+) 24"

SCORE ROOTBALL AND WORK NURSERY SOIL

SET BALL ON UNDISTURBED BASE OR COMPACTED

HOLD CROWN OF ROOTBALL AT OR JUST ABOVE FINISH

PRUNE DAMAGED TWIGS AFTER PLANTING

PROTECT TRUNK AND LIMBS FROM INJURY.

MECHANICAL COMPACTION.

AFTER ONE GROWING SEASON

OF MATERIAL.

TRUNK 8" TO 10"

TIMES BALL DIAMETER

MOUND UNDER BALL

NOT TO SCALE

AWAY FROM PERIMETER ROOTS

FINISH GRADE

1-INCH WIDE POLYETHYLENE CHAIN LOCK TYPE TIES; OR, 3/8" DIAMETER RUBBER. NO WIRE.

HERBICIDE IS NOT RECOMMENDED FOR THE FIRST YEAR AFTER INSTALLATION.

ANTI-DESICCANT:

"WILT-PROOF," 48 HOURS PRIOR TO SHIPMENT TO SITE FROM JUNE 1 THROUGH SEPTEMBER. THOROUGHLY ROOT WATER PLANTS PRIOR TO DELIVERY. PLANT MATERIAL DELIVERED TO SITE TO BE KEPT CONTINUALLY MOIST THROUGH INSTALLATION.

EXECUTION:

CONTAMINANTS:

VERIFY THAT ALL SOIL CONTAMINANTS (E.G., PAINT, SEALANTS, SOLVENTS, OILS, GREASES, CONCRETE/ASPHALT SPOILS, ETC.) HAVE BEEN SATISFACTORILY REMOVED FROM ALL PLANTING AREAS. DO NOT BEGIN WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

FINE GRADE AND REMOVE ROCKS, DEBRIS, AND FOREIGN OBJECTS OVER 2 INCHES DIAMETER FROM TOP SURFACE OF PREPARED LANDSCAPE AREAS. FINISH ELEVATIONS TO BE DEFINED AS 3 INCHES BELOW CURBS, WALKS AND/OR OTHER ADJACENT HARDSCAPE FOR ALL PLANTING BED AREAS AND 1-INCH BELOW CURBS, WALKS AND/OR OTHER ADJACENT HARDSCAPE FOR ALL LAWN AREAS. 'FINISH GRADE' REFERS TO GRADES PRIOR TO INSTALLATION OF MULCH OR LAWN. ALL FINISH GRADES TO BE SMOOTH EVEN GRADES, LIGHTLY COMPACTED, AS SHOWN ON THE PLAN AND DETAILED. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES. SITE CIVIL DRAWINGS IDENTIFY FINAL ELEVATIONS. MOISTEN PREPARED AREAS BEFORE PLANTING IF SOIL IS DRY. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE PLANTING. DO NOT CREATE MUDDY SOIL.

ARRANGE TREES AND SHRUBS ON SITE IN PROPOSED LOCATIONS PER DRAWINGS. EXCAVATE PIT, PLANT AND STAKE OR GUY, AS CALLED OUT AND DETAILED. ALL TREES, SHRUBS, AND SUPPORTS TO STAND VERTICAL. BACKFILL SHALL BE PIT SPOILS. SETTLE BACKFILL USING WATER ONLY. NO MECHANICAL COMPACTION.

EXCAVATE PITS TO A MINIMUM OF 3 INCHES BELOW, AND TWICE THE ROOT BALL

PROPER GRADE, AS DETAILED. MULCH ALL LANDSCAPE AREAS NOT COVERED BY LAWN AND/OR SEED. APPLY SUFFICIENT QUANTITY

TO PROVIDE A 2-INCH DEPTH. UTILITY CLEARANCES

FIELD ADJUST PLANT LOCATIONS FOR 8-FOOT SEPARATION OF TREES/SHRUBS AND 2-FOOT

SEPARATION FOR GROUNDCOVER FROM FIRE HYDRANTS AND UTILITY VAULTS.

DIAMETER. WATER THOROUGHLY AND TAKE CARE TO ENSURE THAT ROOT CROWN IS AT

CLEANUP AND PROTECTION:

DURING LANDSCAPE WORK, KEEP ALL PAVEMENT CLEAN AND WORK AREAS IN AN ORDERLY CONDITION. PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIOD. TREAT, REPAIR, OR REPLACE DAMAGE LANDSCAPE WORK AS DIRECTED BY THE OWNER.

SOIL LINE: 3 MAXIMUM IN MULCH, IN LAWN → PAVING (SEE CIVIL PLANS) REMOVE EXCESS GRAVEL AND PAVING COARSE TRANSITION FROM TOPSOIL TO SUBSOIL OVER EXCAVATE PARKING LOT PLANTERS TO LOOSEN COMPACTED SUBBASE

TOPSOIL SETTLED

(COMPACTED CONDITION)

-1-1/2" DRAIN AT LOW

POINTS & 10' SPACING

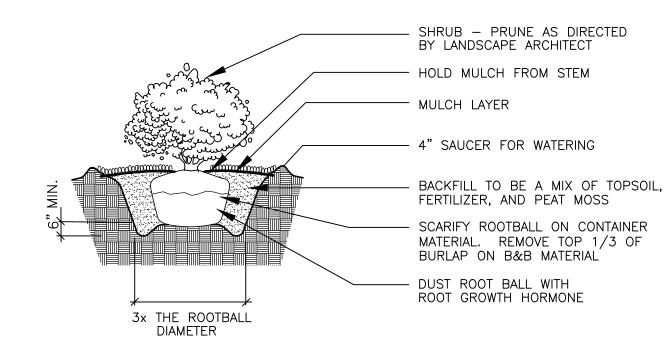
GRADING • PARKING LOT PLANTERS DETAIL

NOT TO SCALE

OVER ALL TOPSOIL DEPTH OF 3 FEET -

BERM HEIGHT 6" MIN.

DEDUCT ALT #1: IF LANDSCAPE CONTRACTOR CAN DEMONSTRATE THAT PLANTER ISLANDS ARE NOT FULL OF NON-SOIL MATERIALS (CONCRETE WASTE, LUMBER, ROAD BASE, GRAVEL), FULL EXCAVATION AND REPLACE WITH 18"-21" OF TOPSOIL CAN BE ELIMINATED AND IN ITS PLACE, 6" OF COMPOST CAN BE PLACED ON SUB-GRADE AND CULTIVATED INTO TOP 12" OF EXISTING SOIL. TOP OF FINISH GRADE AND DEPTH OF MULCH STILL APPLIES



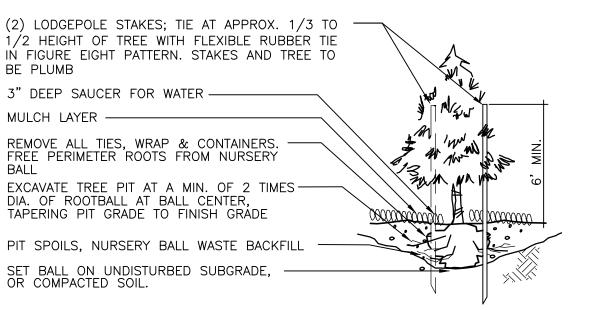
NOTE: APPLY ADDITIONAL 4 OZ. 8-32-16 FERTILIZER INTO TOP

2" OF PLANTING MIX. PLANT SHRUB HIGH ENOUGH TO ALLOW POSITIVE DRAINAGE AWAY FROM ROOTBALL. ROUGHEN ALL SURFACES OF PIT.

SHRUB PLANTING DETAIL

CUT AND REMOVE BURLAP FROM ROOT BALL

NOT TO SCALE



LIGHT FERTILIZER OVER PLANTING BED AFTER BACKFILL ONLY; NO FERTILIZER IN PLANTING PIT WORK PERIMETER ROOTS FREE OF NURSERY BALL. BALL & PIT TO BE COURSELY SCARIFIED.

EVERGREEN TREE PLANTING/STAKING DETAIL

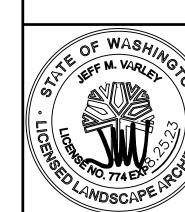
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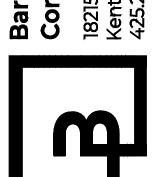
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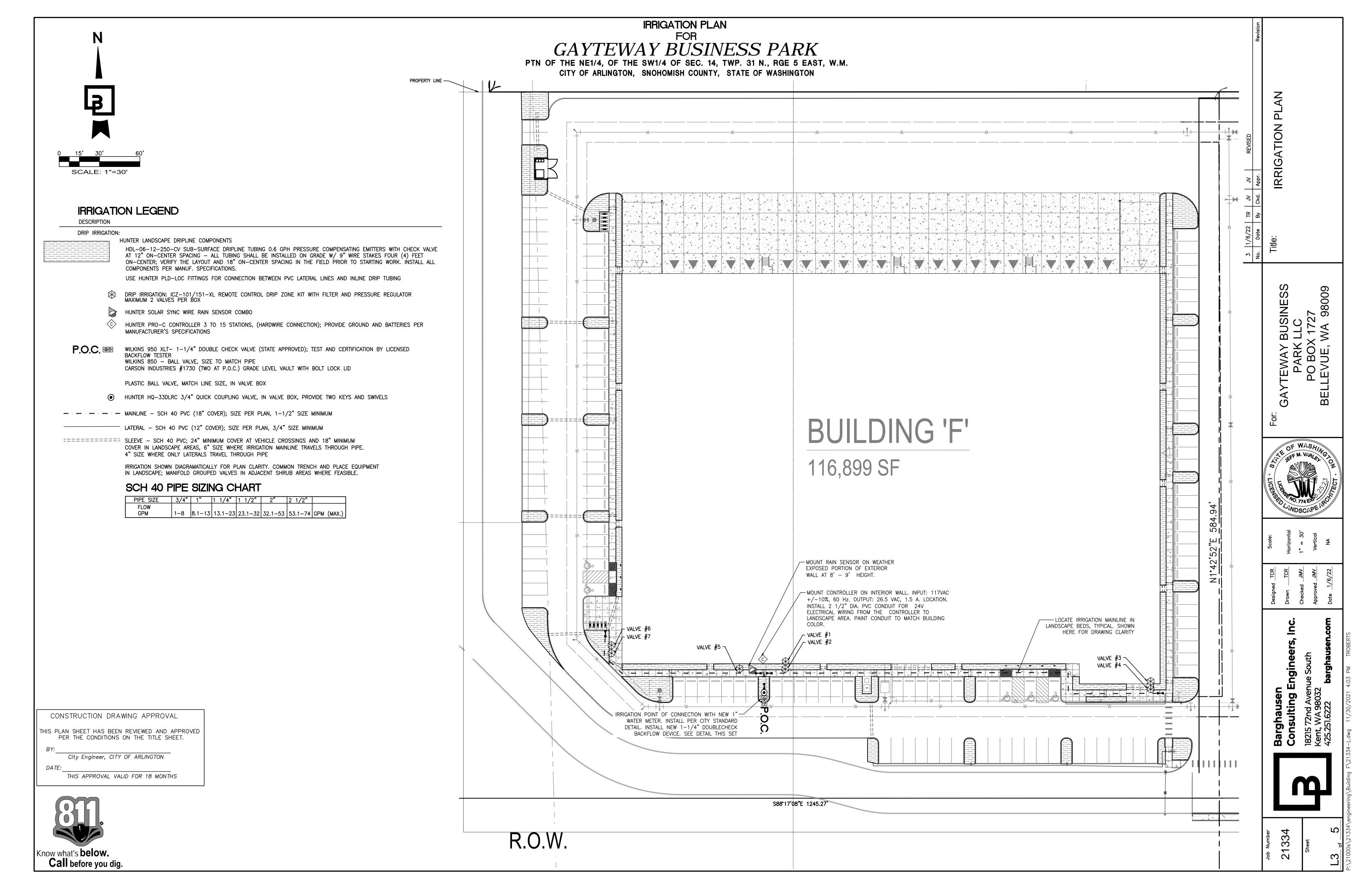


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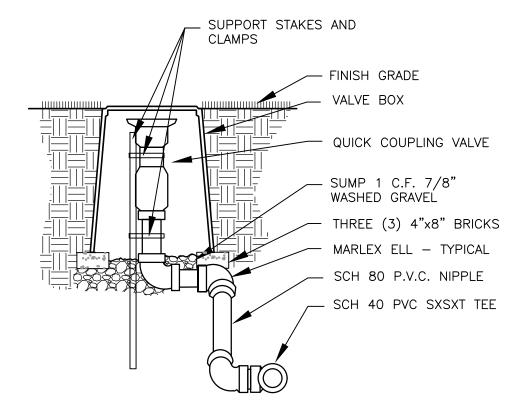
Know what's **below.**

Call before you dig.



RAIN SENSOR DETAIL

NOT TO SCALE



THREADED BALL VALVE -REGULAR VALVE BOX WITH LOCKING SCH 80 PVC MAL - PAVEMENT FINISH GRADE -SCH 40 PVC 45° ELBOW--SCH 80 PVC UNION SxS FOUR (4) 4"x8" BRICKS-- SCH 80 PVC NIPPLE TxS -THREE INCH (3") THICK LAYER OF PEA GRAVEL OR APPROVED EQUAL

-3/8" WELDED WIRE MESH

DOUBLE GRADE LEVEL BOXES SIZE TO PERMIT 12" MINIMUM

CLEAR FROM WALLS TO TEST

DOUBLE CHECK VALVE (STATE APPROVED

TEST COCKS, INSTALL ASSEMBLY WITH

TEST COCKS IN HORIZONTAL POSITION,

ASSEMBLY) RESILIANT SÈATED VAI VES WITH

COCKS, BOLT LOCK LID

PER LOCAL REQUIREMENTS

PVC MAINLINE PER PLAN

SCH 80 NIPPLE AND FEMALE

- UNION AT EACH SIDE OF VALVE

BLOCK AS NECESSARY WITH BRICKS

- SUMP 1 C.F. 7/8" WASHED GRAVEL

INSPECTION OF COMPLETED ASSEMBLY

(1)IRRIGATION CONTROLLER PER PLAN

(3) INTERIOR WALL. COORDINATE LOCATION WITH ARCHITECT, OWNER, AND G.C.

(4) CONDUIT TO OUTSIDE THAT CARRIES VALVE WIRING

MOUNT CONTROLLER LCD SCREEN AT EYE LEVEL, CONTROLLER SHALL HAVE PIGTAIL INSTALLED

ELECTRICAL CHORD HARDWIRED TO CONTROLLER. INSTALL CONTROLLER WITH 3' OF INTERIOR ELECTRIAL

2 PIGTAIL PLUG FOR OUTLET

BY CERTIFIED TESTER REQUIRED.

SCH 80 PVC - TYPICAL

SCH 80 NIPPLE - TYPICAL

ADAPTER - TYPICAL

AT BASE OF BOX

- 1. LOCATE VALVE BOXES IN PLANTING AREAS. 2. WRAP VALVE BOX WITH A MINIMUM OF 3 MIL THICK PLASTIC AND SECURE IT USING DUCT TAPE OR ELECTRICAL TAPE.
- 3. ALL THREADED CONNECTIONS TO BE MADE USING TEFLON TAPE.
- 4. ALL CHANGES IN ELEVATION SHALL BE MADE USING SCH 40 PVC 45° ELBOWS.

BALL VALVE DETAIL

NOT TO SCALE

WATER SERVICE

FROM METER

TRENCH CONDITION SLEEVE CONDITION COMPACT BACKFILL (TOPSOIL BACKFILL) AT 95% DENSITY (STRUCTURAL) PVC LATERAL 6" OFFSET SLEEVING -ALT. WIRE SLEEVE-PVC MAINLINE SLEEVING MATERIAL SHALL BE PVC CLASS 160(SDR-26).

AIR/VACUUM RELIEF VALVE CANNOT BE CONNECTED LOWER THAN DRIPLINE LATERALS.

FOR USE ON ZONES OF 7 GPM OR LESS ONLY (PLUMBED TO TUBING).

1/2" AIR/VACUUM RELIEF VALVE DETAIL

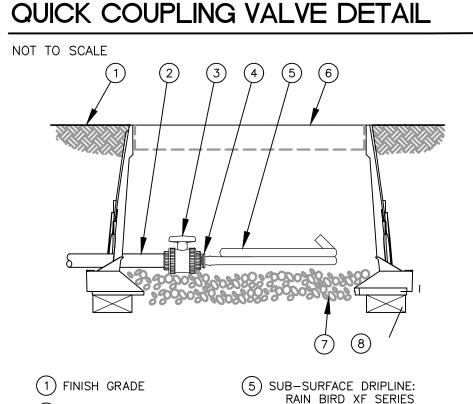
DIMENSIONS ARE MIN. CLEARANCES. ALL IRRIGATION SLEEVING TRENCH BACKFILL MATERIAL SHALL BE CLASS "B" OR BETTER (MAX. OF 10% PASSING NO.40 SCREEN) AND BE COMPACTED TO MIN. 95% OPTIMUM DENSITY PER ASTM D-1557-70 (MODIFIED PROCTOR)

SLEEVE/TRENCHING DETAIL

FINISH GRADE

NOT TO SCALE

NOT TO SCALE



(2) PVC DRIP MANIFOLD PIPE 3 PVC 1" X 3/4" TRUE UNION BALL VALVE

(4) EASY FIT MALE X BARB ADAPTER: RAIN BIRD XFF-MA-075

(7) 3-INCH MINIMUM DEPTH OF 3/4" WASHED GRAVEL 8 BRICK (1 OF 2)

(1) FINISH GRADE

- 6" ROUND VALVE BOX

- 1/2" PVC TEE

AIR/VACUUM RELIEF VALVE

COMPRESSION ADAPTER

OR BLANK TUBING - TYPICAL

DRIPLINE - TYPICAL

1 C.F. 7/8" WASHED

BRICK SUPPORTS

GRAVEL SUMP

(2) STANDARD VALVE BOX WITH COVER:

(3) WATERPROOF CONNECTION:

(4) VALVE ID TAG

(5) 30-INCH LINEAR LENGTH OF WIRE, COILED

(6) 1" X $\frac{3}{4}$ " REDUCING COUPLING

(7) PRESSURE REGULATING FILTER:

(8) LATERAL PIPE

9) PVC SCH 40 FEMALE ADAPTOR OR REDUCER

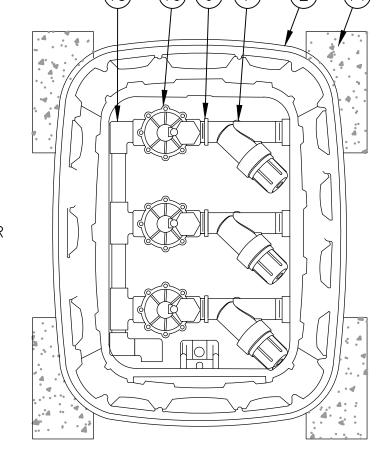
10) REMOTE CONTROL VALVE:

(11) PVC SCH 40 TEE OR ELL TO MANIFOLD

(12) 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

(14) MINIMUM FOUR (4) 4"x8" BRICKS

(13) MANIFOLD PIPE AND FITTINGS



TOP VIEW

FRONT ELEVATION RIGHT ELEVATION

CHECK VALVE ASSEMBLY DETAIL

1. GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR TO COORDINATE

LANDSCAPE IRRIGATION NOTES

A) VERIFY EXISTING CONTROLLER AND FEASIBILITY TO HOOK UP ADDITIONAL VALVES THAT WILL BE REQUIRED TO EXPAND THE EXISTING IRRIGATION SYSTEM AND PROVIDE ADEQUATE WATER TO ALL NEW PLANT MATERIAL.

B) VERIFICATION OF STATIC WATER PRESSURE AT POINT-OF-CONNECTION (P.O.C.) CONTRACTOR SHALL NOTIFY OWNER AND BARGHAUSEN CONSULTING ENGINEERS,

C) INSTALLATION OF SLEEVING.

2. PROVIDE ALL LABOR, MATERIALS, TRANSPORTATION, AND SERVICES NECESSARY TO FURNISH AND INSTALL A COMPLETE IRRIGATION SYSTEM AS INDICATED ON THE DRAWINGS AND/OR NOTES. PROVIDE A ONE (1) YEAR WARRANTY/GUARANTEE FROM FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIALS, EQUIPMENT, AND WORKMANSHIP

COORDINATE IRRIGATION INSTALLATION WITH GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR, LANDSCAPE CONTRACTOR, OWNER, ARCHITECT, AND LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR TO TEST AVAILABLE WATER PRESSURE PRIOR TO BEGINNING ANY WORK

PROVIDE LANDSCAPE ARCHITECT WITH WRITTEN PSI RESULTS.

ALL WORK PER LOCAL CODE. INSTALLATION PER MANUFACTURER'S WRITTEN SPECIFICATIONS.

CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, FEES, AND REQUIRED CITY INSPECTIONS.

A) SUBMIT EACH ITEM LISTED BELOW FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL.

PRODUCT DATA: FOR EACH TYPE OF PRODUCT INDICATED, CONTROL WIRING PATH DIAGRAM,

D) "AS-BUILT" DRAWINGS.

E) OPERATION AND MAINTENANCE MANUALS.

PROVIDE AND KEEP UP TO DATE A COMPLETE "AS-BUILT" RECORD SET OF PRINTS WHICH ARE TO BE CORRECTED DAILY AND SHOW EVERY CHANGE FROM THE ORIGINAL DRAWINGS AND NOTES AND EXACT "AS-BUILT" LOCATIONS, SIZES AND KIND OF EQUIPMENT. THIS SET OF DRAWINGS. ARE TO BE KEPT ON SITE AND ARE TO BE USED ONLY AS THE RECORD SET. ALL WORK IS TO BE NEAT AND LEGIBLE ANNOTATIONS THEREON DAILY AS THE WORK PROCEEDS, SHOWING WORK

DIMENSION FORM TWO (2) PERMANENT POINTS OF REFERENCE, BUILDING CORNERS, WALKS, OR ROAD INTERSECTIONS, ETC., THE LOCATION OF THE FOLLOWING:

A) CONNECTION TO WATER LINES (P.O.C.),

CONNECTIONS TO ELECTRICAL POWER,

C) GATE VALVE, QUICK COUPLERS, AND REMOTE CONTROL VALVE,

ROUTING OF MAINLINE (DIMENSION MAXIMUM 100' ALONG ROUTING),

ROUTING OF CONTROL WIRING,

F) OTHER RELATED EQUIPMENT AS DIRECTED BY THE LANDSCAPE ARCHITECT.

PREPARE AND PROVIDE PRIOR TO COMPLETION OF CONSTRUCTION, A THREE RING BINDER CONTAINING THE FOLLOWING INFORMATION:

A) INDEX SHEET STATING CONTRACTOR'S ADDRESS, TELEPHONE NUMBER, FAX, E-MAIL AND A, LIST OF EQUIPMENT WITH NAME AND ADDRESS OF LOCAL MANUFACTURER'S REPRESENTATIVES,

B) CATALOG AND PARTS SHEETS ON EVERY MATERIAL AND EQUIPMENT INSTALLED UNDER THIS, CONTRACT,

C) GUARANTEE STATEMENT,

D) COMPLETE OPERATING AND MAINTENANCE INSTRUCTIONS ON ALL MAJOR EQUIPMENT.

CONSTRUCTION DETAILS FROM THE PROJECT,

COMPLETE TROUBLE-SHOOTING GUIDE TO COMMON IRRIGATION PROBLEMS, WINTERIZATION AND SPRING START-UP PROCEDURES,

CHART OF APPROXIMATE WATERING TIMES FOR SPRING, SUMMER, AND FALL, A COPY OF THE "AS-BUILT" DRAWINGS AND CONTROLLER CHART.

10. ALL VALVES TO BE PLACED IN "CARSON" GRADE LEVEL BOXES WITH BOLT-LOCK LIDS (OR APPROVED EQUIVALENT). SET BOXES 2 INCHES HIGHER THAN FINISH GRADE IN MULCH AREAS AND FLUSH WITH FINISH GRADE IN LAWN AREAS. JUMBO BOX FOR CHECK VALVE, 10" ROUND BOX FOR GATE/QUICK COUPLER/WIRE SPLICES, AND 12" STANDARD FOR

11. MAINLINE PIPE TO BE BURIED 24 INCHES, LATERALS 12 INCHES, AND SLEEVES 24" INCHES BELOW FINISH GRADE. NO ROCK OR DEBRIS TO BE BACKFILLED OVER PIPE.

12. HEAD AND LINE POSITIONING IS DIAGRAMMATIC ON PLAN. ADJUST IN FIELD AS NECESSARY FOR 100 PERCENT COVERAGE. VALVES TO BE POSITIONED ADJACENT TO PAVEMENT/CURBS, IN SHRUB BEDS WHERE POSSIBLE.

13. FAMILIARIZE OWNERS FACILITY OPERATOR WITH IRRIGATION SYSTEM FUNCTION, CONTROLLER PROGRAMMING, SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS.

14. ALL CONTROL WIRE SPLICES TO BE MADE AT VALVE BOXES WITH WATER TIGHT ELECTRICAL SPLICES, 3M, SCOTT'S LOCK SEAL TACK 3576-78, OR EQUIVALENT. 15. EACH VALVE BOX TO CONTAIN A MINIMUM OF TWO (2) SPARE ORANGE CONTROL WIRES

FOR JACKETED WIRE. ROUTE SPARE WIRES FROM THE CONTROLLER TO THE LAST VALVE OF EACH MAINLINE BRANCH. COMMON WIRE TO BE WHITE. SINGLE STRAND WIRE TO BE A MINIMUM OF 14 GAUGE. 16. ALL ELECTRICAL EQUIPMENT TO BE U.L. TESTED AND APPROVED, AND BEAR THE U.L.

17. CROSS CONNECTION PROTECTION INSPECTION REQUIRED. THE BACKFLOW DEVICE TO BE TESTED UPON THE ORIGINAL INSTALLATION. THE TESTING TO BE PERFORMED BY A PERSON HOLDING A CURRENT CERTIFICATE AS A BACKFLOW TESTER. THE TEST REPORT TO BE SUBMITTED TO THE LOCAL WATER DISTRICT, OR PURVEYOR, AND OWNER WITH A COPY TO BARGHAUSEN CONSULTING ENGINEERS, INC. CONTRACTOR TO INCLUDE TESTING IN THE SCOPE OF WORK. OWNER IS RESPONSIBLE FOR ANNUAL INSPECTIONS AFTER THE INTIAL

18. CONTRACTOR TO PROVIDE SYSTEM WINTERIZATION/SPRING SERVICE WHEN INSTALLATION HAS BEEN COMPLETED WITHIN 90 DAYS OF NOVEMBER 1 FOR WINTERIZATION, OR MAY 15 FOR SPRING SERVICE. SERVICE TO BE PERFORMED AS NEAR AS PRACTICAL TO THE ABOVE DATES, OR AS FREEZE/PRECIPITATION CONDITIONS DETERMINE SERVICE

IRRIGATION CONTROLLER, INTERIOR WALL MOUNT

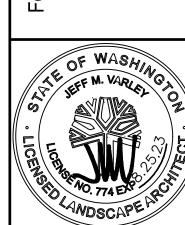
Know what's **below.** Call before you dig.

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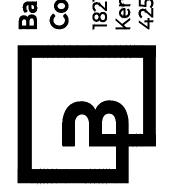
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NOT TO SCALE

SIDE VIEW

DRIP IRRIGATION VALVE

FLUSH POINT WITH BALL VALVE

BLANK TUBING

(6) 12-INCH VALVE BOX WITH

RAIN BIRD VB-STD

NOT TO SCALE

NOT TO SCALE

IRRIGATION DETAILS

GAYTEWAY BUSINESS PARK

PTN OF THE NE1/4, OF THE SW1/4 OF SEC. 14, TWP. 31 N., RGE 5 EAST, W.M. CITY OF ARLINGTON, SNOHOMISH COUNTY, STATE OF WASHINGTON

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS FOR SPACING 2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING 3. INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL. 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING. PVC SUPPLY PIPE FROM RAIN BIRD
CONTROL ZONE KIT (SIZED TO MEET (8) ARB X BARB INSERT TEE (9) TOTAL LENGTH OF SELECTED DRIPLINE SHOULD LATERAL FLOW DEMAND) NOT EXCEED LENGTH SHOWN IN TABLE (2) PERIMETER OF AREA (10) PVC FLUSH HEADER (3) PERIMETER DRIPLINE PIPE TO BE INSTALLED

2"-4" FROM PERIMETER OF AREA 4) PVC SUPPLY MANIFOLD

DRIP MANIFOLD BURIAL DEPTH

DRIPLINE ODD CURVES LAYOUT

/ IRRIGATION MAINLINE. SEE IRRIGATION

FOR SPECIFIC LOCATION(S). SEE

- PIPE FROM DCVA TO MASTER VALVE. SEE DETAIL FOR BACKFLOW DEVICE

- BACKFLOW PREVENTION DEVICE. SEE

- ENCLOSURE FOR BACKFLOW DEVICE.

- COPPER PIPE FROM GATE VALVE TO

- COPPER PIPE FROM WATER SERVICE

EXISTING WATER MAIN/METER. SEE CIVIL DRAWINGS. VERIFY STATIC PRESSURE

PRIOR TO BEGINNING IRRIGATION WORK

CONNECTION. SEE CIVIL DRAWINGS

IRRIGATION SCHEDULE

IRRIGATION SCHEDULE

BACKFLOW DEVICE

ALL COMPONENTS FOR SCHEMATIC POINT OF CONNECTION SHALL BE INSTALLED

INSTALL AND TESTING OF DCVA AND ANY POTABLE WATER COMPONENTS SHALL

BE COMPLETED BY LICENSED PLUMBER OR SIMILAR ACCREDITED PROFESSIONAL.

BACKFLOW PREVENTION DEVICE INSTALLATION REQUIRES INSPECTION AND

CERTIFICATION BY INSPECTION SERVICE AND SHALL MEET REQUIREMENTS OF

SEE IRRIGATION SCHEDULE

SCHEDULE

NOT TO SCALE

TO CONTROL

DCVA -

PER PROJECT SPECIFICATIONS AND DETAILS.

VALVES

<u>INSET A</u>

(5) PVC SCH 40 TEE OR EL (TYPICAL) (6) BARB X MALE FITTING (7) SUB-SURFACE DRIPLINE:

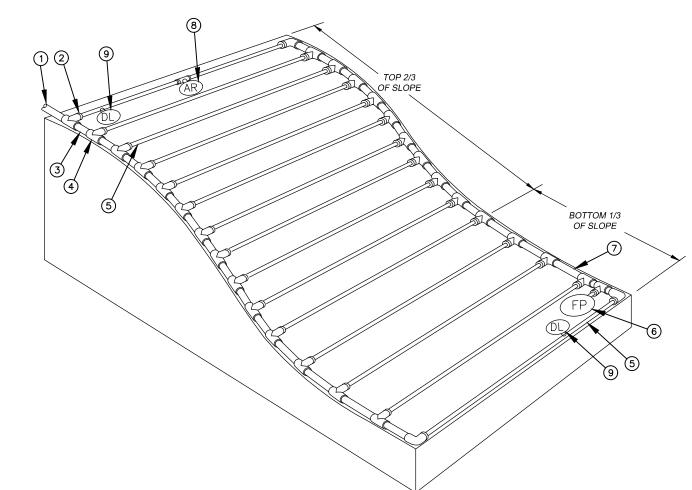
SEE IRRIGATION SCHEDULE

11) FLUSH POINT: SEE DETAIL

(12) PVC RISER PIPE (13) TURF OR MULCH (14) FINISH GRADE

(15) 1/2" AIR RELIEF VALVE: SEE DETAIL

(16) DRIPLINE INDICATOR. SEE DETAIL FOR ADDT'L INFO



• DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. DISTANCE BETWEEN LATERAL ROWS FOR BOTTOM 1/3 OF SLOPE TO BE SPACED GREATER THAN OPTIMAL ROW DISTANCE. SEE MANUFACTURER DRIPLINE INSTALLATION GUIDE FOR SUGGESTED

• LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE WHEN ELEVATION CHANGE EXCEEDS 8 FEET IT IS RECOMMENDED THAT A NEW DRIPLINE ZONE BE CREATED.

. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

> (1) PVC DRIP MANIFOLD FROM CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)

(2) BARB X MALE FITTING (3) PVC SUPPLY HEADER

4-6" (4) PVC SCH 40 TEE OR EL (TYPICAL) (5) SUB-SURFACE DRIPLINE:

SEE IRRIGATION SCHEDULE (6) FLUSH POINT: SEE DETAIL

(7) PVC FLUSH HEADER (8) 1/2" AIR RELIEF VALVE: RSEE DETAIL

(9) DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFORMATION

1) PVC EXHAUST HEADER

(3) BARB X MALE FITTING:

(4) FLUSH POINT (TYPICAL)

(7) SUB-SURFACE DRIPLINE

(10)½" AIR RELIEF VALVE

(11) PVC SUPPLY HEADER

(13) PVC SCH 40 RISER PIPE

(14) DRIPLINE INDICATOR. SEE

DETAIL FOR ADDIL INFO

(8) BLANK TUBING

PERIMETER OF AREA

(9) BARB X BARB INSERT TEE OR CROSS:

MEET LATERAL FLOW DEMAND)

5 PERIMETER OF AREA

(2) PVC SCH 40 TEE OR EL (TYPICAL)

SEE RAIN BIRD DETAIL 'FLUSH POINT WITH BALL VALVE'

(12) PVC DRIP MANIFOLD FROM CONTROL ZONE VALVE KIT (SIZED TO

DISTANCE BETWEEN LATERAL ROWS

MANUFACTURER DRIPLINE

• LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE

ACCOMPANYING TABLE.

SPACINGS.

EACH FITTING.

AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS

AND CHANGES IN ELEVATION. SEE

MAXIMUM LENGTH SHOWN IN THE

 AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA.

WHEN USING 17MM INSERT FITTINGS

WITH DESIGN PRESSURE OVER 50PSI,

DRIP MANIFOLD BURIAL DEPTH

IT IS RECOMMENDED THAT STAINLESS

STEEL CLAMPS BE INSTALLED ON

INSTALLATION GUIDE FOR SUGGESTED

(6) PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM

(10) PVC RISER PIPE (11) TURF OR MULCH (12) FINISH GRADE

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EWAY PARK O BOX EVUE, V C

OF WASH, JEFF M. VARLEL

ANDSCAPE

Barghausen Consulting

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Know what's **below.**

• INSTALL AIR RELIEF VALVE AT HIGH POINTS IN DRIP LATERAL.

BURIAL DEPTH

DISTANCE BETWEEN LATERAL ROWS AND EMITTER

SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE

DRIPLINE INSTALLATION GUIDE FOR SUGGESTED

LENGTH OF LONGEST DRIPLINE LATERAL SHOULD

DESIGN PRESSURE OVER 50PSI, IT IS

BE INSTALLED ON EACH FITTING.

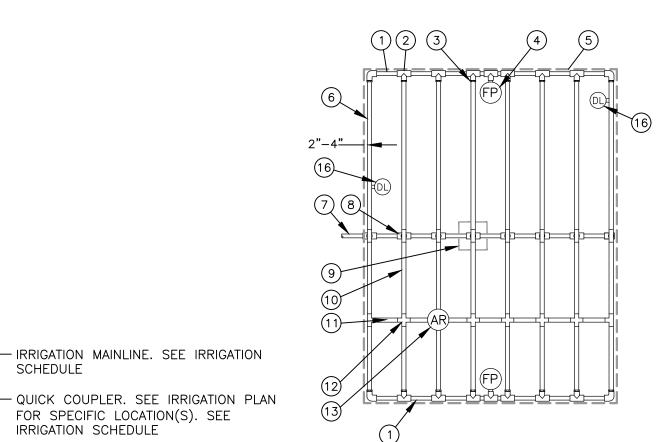
THE ACCOMPANYING TABLE.

POINT OF AREA.

NOT EXCEED THE MAXIMUM LENGTH SHOWN IN

RECOMMENDED THAT STAINLESS STEEL CLAMPS

DRIPLINE SLOPED LAYOUT NOT TO SCALE



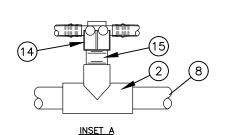
DRIPLINE CENTER FEED LAYOUT

(1) PVC EXHAUST HEADER 2)PVC SCH 40 TEE OR EL (TYPICAL)

(3) BARB X MALE FITTING (4) FLUSH POINT (TYPICAL)

SEE DETAIL (5) PERIMETER OF AREA (6) PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA (7) PVC SUPPLY PIPE FROM CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND)

(8) PVC SUPPLY MANIFOLD (9) CONNECTION FROM SUPPLY MANIFOLD TO DRIPLINE (TYPICAL) - SEE INSET A



Dripline Maximum Lateral Lengths (Feet)

(16) DRIPLINE INDICATOR. SEE DETAIL FOR ADDITIONAL INFORMATION

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE IRRIGATION SCHEDULE FOR SPACING. . LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM LENGTH SHOWN IN THE ACCOMPANYING TABLE. 3. AIR RELIEF VALVE TO BE INSTALLED AT HIGH POINT OF AREA. 4. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

(10) SUB-SURFACE DRIPLINE

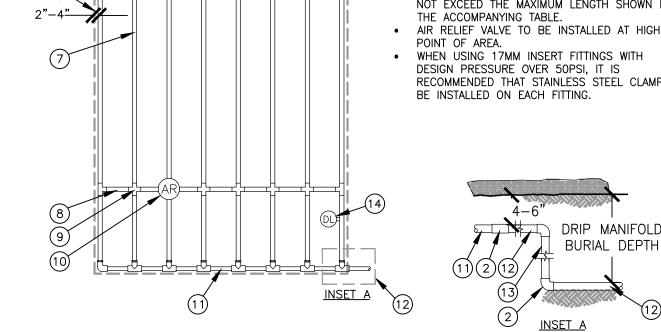
(13) ½" AIR RELIEF VALVE

(14) BARB X FEMALE FITTING:

(12) BARB X BARB INSERT TEE OR CROSS:

(15) 34" PVC NIPPLE, LENGTH AS NECESSARY

(11) BLANK TUBING



DRIP MANIFOLD BURIAL DEPTH

(1) PVC EXHAUST HEADER

3 FLUSH POINT (TYPICAL)

(4) BARB X MALE FITTING

(5) PERIMETER OF AREA

(8) SUB-SURFACE DRIPLINE:

(11) PVC SUPPLY MANIFOLD

(14) PVC SCH 40 RISER PIPE

(9) BLANK TUBING

SEE DETAIL

2)PVC SCH 40 TEE OR EL (TYPICAL)

(6) BARB X BARB INSERT TEE OR CROSS

FROM PERIMETER OF AREA

SEE IRRIGATION SCHEDULE

(10) 1/2" AIR RELIEF VALVE: SEE DETAIL

(7) PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4"

(12) PVC SUPPLY PIPE FROM CONTROL ZONE KIT (SIZED

(13) TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT

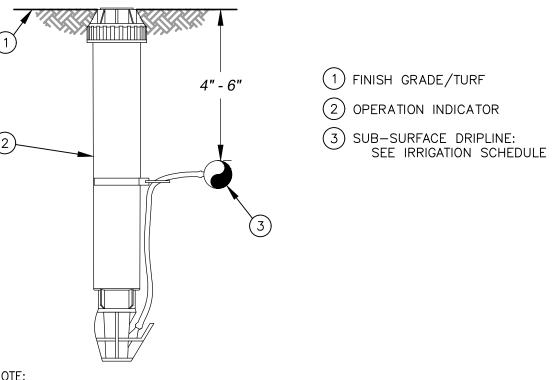
TO MEET LATERAL FLOW DEMAND)

EXCEED LENGTH SHOWN IN TABLE

12" Spacing 18" Spacing 24" Spacing ominal Flow (gph) Nominal Flow (gph) Nominal Flow (gph) 0.6 0.9 0.6 0.9 0.6

Dripline Maximum Lateral Lengths (Feet)

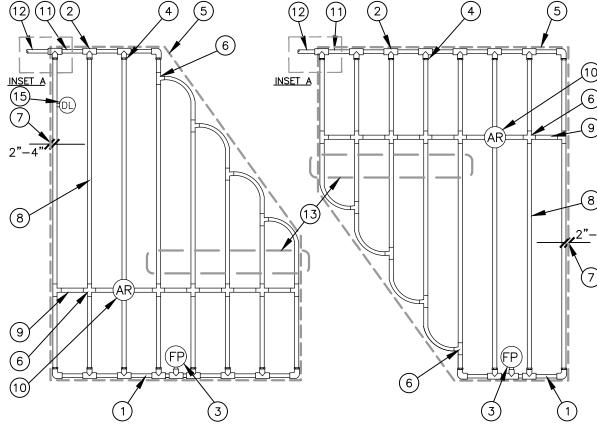
DRIPLINE END FEED LAYOUT NOT TO SCALE



1. INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING. 2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO 1/4 PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

DRIP IRRIGATION DRIPLINE INDICATOR

NOT TO SCALE



DRIPLINE IRREGULAR SHAPED LAYOUT

(15) DRIPLINE INDICATOR. SEE DETAIL FOR ADDT'L INFO

POINT OF CONNECTION (P.O.C.) DETAIL

NOT TO SCALE

LOCAL JURISDICTION

Call before you dig.